



PRODUCT/PROCESS CHANGE NOTIFICATION

PCN MMC-CID/08/3410
Notification Date 01/30/2008

STW81102AT AND STW81102ATR PRODUCT SPECIFICATIONS CHANGE

CID - COMMUNICATION INFRASTRUCTURE

Table 1. Change Implementation Schedule

Forecasted implementation date for change	22-Feb-2008
Forecasted availability date of samples for customer	22-Feb-2008
Forecasted date for STMicroelectronics change Qualification Plan results availability	22-Feb-2008
Estimated date of changed product first shipment	30-Apr-2008

Table 2. Change Identification

Product Identification (Product Family/Commercial Product)	STW81102AT-STW81102ATR
Type of change	Product electrical spec. change
Reason for change	FIXES AND NEW FEATURES
Description of the change	NEW REVISION FOR FIXES AND NEW FEATURES
Product Line(s) and/or Part Number(s)	See attached
Description of the Qualification Plan	See attached
Change Product Identification	NO CHANGE; DATE CODE 2008 AS REFERENCE CHANGE
Manufacturing Location(s)	1]St Kirkop - Malta

Table 3. List of Attachments

Customer Part numbers list	
Qualification Plan results	



Customer Acknowledgement of Receipt		PCN MMC-CID/08/3410
Please sign and return to STMicroelectronics Sales Office		Notification Date 01/30/2008
<input type="checkbox"/> Qualification Plan Denied <input type="checkbox"/> Qualification Plan Approved <input type="checkbox"/> Change Denied <input type="checkbox"/> Change Approved	Name:	
	Title:	
	Company:	
	Date:	
	Signature:	
Remark		

DOCUMENT APPROVAL

Name	Function
Bianchi, Fabrizio Maria	Division Marketing Manager
Ferrari, Riccardo	Division Product Manager
Artuphel, Frederic	Division Q.A. Manager

STW81102AT-STW81102ATR PRODUCT SPECIFICATIONS CHANGE

WHAT:

WE ARE GOING TO RELEASE A NEW REVISION OF THE PRODUCT STW81102 (STW81102AT-EC/ AND STW81102ATR-EC/), WITH FIXES AND NEW FEATURES.

FIXES:

- PRESCALER 16/17 FREQUENCY LIMITATION REMOVED
- LOCK DETECTOR BEHAVIOUR IN POWER DOWN MODE FIXED (FORCED TO “0”)
- REGISTER CONFIGURATION AT POWER ON CHANGED (ALL BITS SET TO “0”; THE DEVICE STARTS IN POWER DOWN).

NEW FEATURES:

- OUTPUT BUFFER CONTROL MODE.
- VCO CALIBRATION AUTOMATIC RESTART.
- EXTERNAL VCO USAGE ALLOWED.
- ACCESS TO THE NEW FEATURES CONTROLLED BY UNUSED BITS OF THE DIGITAL PROGRAMMING INTERFACE.
- NO SOFTWARE CHANGES REQUIRED IF THE NEW FEATURES ARE NOT USED.

WHY:

TO IMPROVE THE PERFORMANCE OF THE PRODUCT.

HOW:

QUALIFICATION PLAN:

- PRECONDITIONING JEDEC LEVEL 3, DONE AND OK
- OPERATING LIFE TEST 1000H, $V_S=3.6V$, $T_j=150^{\circ}C$, DONE AND OK
- ELECTROSTATIC DISCHARGE (HBM+/-2KV, CDM +/-500V, MM+/-200V)
- LATCH UP, DONE AND OK.

WHEN

PROGRESSIVELY FROM END OF FEBRUARY 2008, WITH CUSTOMER APPROVAL.

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